

History of anti-vax in France

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Disclosure

- O Jourdain has been an invited speaker at scientific meetings for MSD Vaccins and SANOFI

History of antivax



Lady Montagu

(1689-1762)

introduced smallpox inoculation to the West

April 1721

www.nationaltrust.org.uk/features/who-was-lady-mary-wortley-montagu

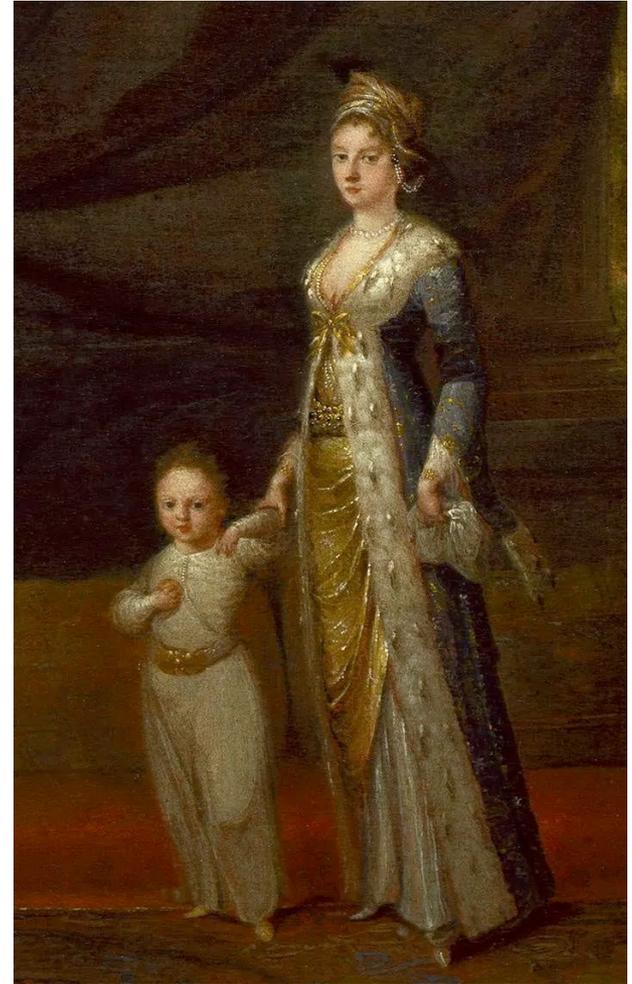
Lady Mary Wortley Montagu

« I am going to tell you one thing that will make you want to be in Constantinople: smallpox, this cruel disease is in no way dangerous there by the invention of inoculation. »

Letter to Mrs Sarah Chiswell 1 April 1717

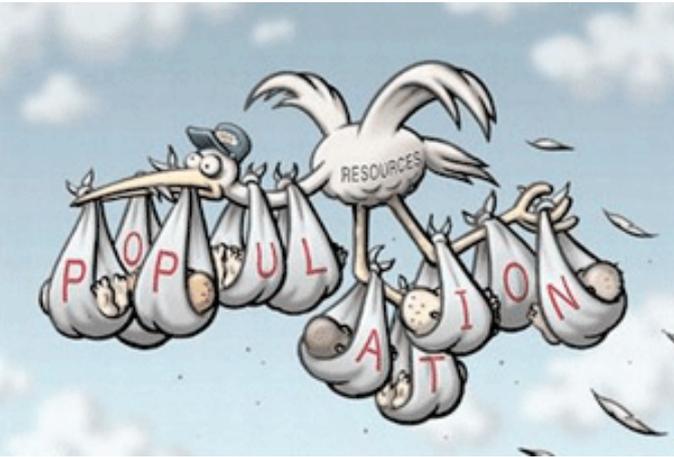
Lady Mary Wortley Montagu

Lettres choisies 1716-1718 Petite bibliothèque Payot



Lady Mary Wortley Montagu with her son Edward
Jean-Baptiste Vanmour

Malthusianism



Thomas Malthus
British economist
and Anglican priest
1766-1834



- «A man who is born into a world already possessed, if he cannot get subsistence from his parents on whom he has a just demand, and if the society do not want his labour, has no claim of right to the smallest portion of food, and, in fact, has no business to be where he is. At nature's mighty feast there is no vacant cover for him. »

Thomas Malthus 1798

- Birth control, Degrowth, «**Natural selection**» ...



The wonderful effects of the new inoculation”, James Gillray (1802)

Pasteur meets vaccine reluctance

Scientific opposition



Dr Michel PETER
spokesman for the Academy of medicine



He reproaches Pasteur for overstating the incidence rate of rabies, the rate of mortality of the disease, and the impact of rabies on public health.

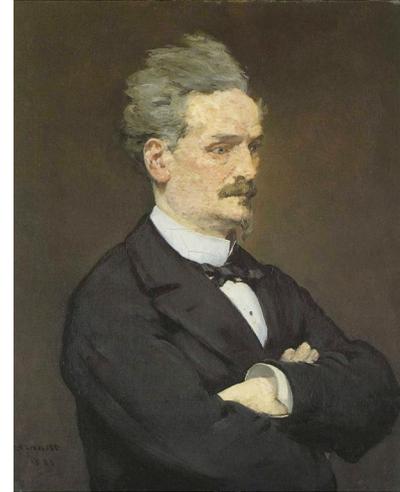
He highlights the story of the child Jules Rouyer in 1886 who was wrongly treated and died as a result of the treatment 1886

Pasteur meets vaccine reluctance

Political opposition



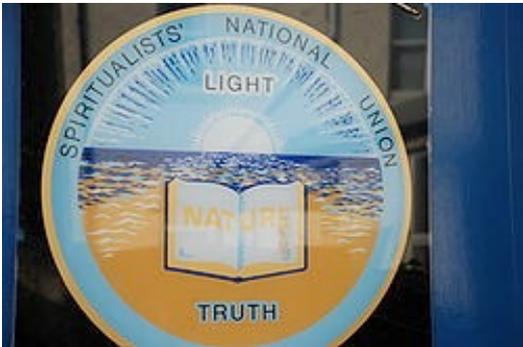
Henri Rochefort
far-left polemicist and editor
of the newspaper "l'Intransigeant"



He blames the use of public funds (1 Million Francs) collected by subscription and he accuses Pasteur of being a man of the Empire. He calls him the "financial chemist",

Anna Kingsford

Activist of the
Universal League of Anti-Vaccinators



English physician, writer, theosophist, spiritualist
Adept of occult sciences

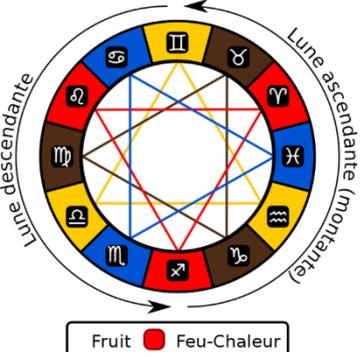
She comes to put a spell on Pasteur (1887)



JP Eudier



S Rader †



Anthroposophy: a way of thinking still very active



Rudolf Steiner (1861-1925) Austrian Philosopher
He founds the Anthroposophical Society in 1912

« A scientific exploration of the spiritual world »
According to Steiner, the human being can access
a "supersensitive" world beyond cognition,
a very esoteric concept

He built the « Goetheanum »
seat of the current anthroposophical society



Anthroposophy is suspected of sectarian drift

The anthroposophic galaxy today

- Biodynamic agriculture
- Steiner-Waldorf schools
(1000 schools in the world, 734 in Europe, 21 in France)
- Anthroposophic medicine based on mistletoe
to treat cancer and in opposition to vaccine
- Pharmaceuticals, dietetics, cosmetics products
(Weleda 401 million € sales in 2017)
- Banks with 18 billion € in assets



Louis Fouché and RéInfoCOVID are very close to the anthroposophical movement

Conspiracy: the example of vaccine in Nazi Germany



«Vaccine: conspiracy of Jewish doctors to poison the blood of the German race » 1938 Ungewitter, Göring, Frick

As a pragmatic war leader Hitler refuses to cancel compulsory vaccination law from 1874



Wie lange noch darf jüdischer Geist die Deutsche Reform knebeln?

Die Rolle des Juden in der Medizin.

Proctor RN Racial Hygiene.
Medicine under the Nazis.
Harvard University Press 1988.



Libertarianism



Pour que vive la liberté !

- Libertarianism **denies authority and state power**
- Call for the restriction or **dissolution of coercive social institution**
- Collect Anacho-capitalism and strong individual freedom

Some faces of libertarianism

Ayn Rand 1905-1982 Russian-American philosopher

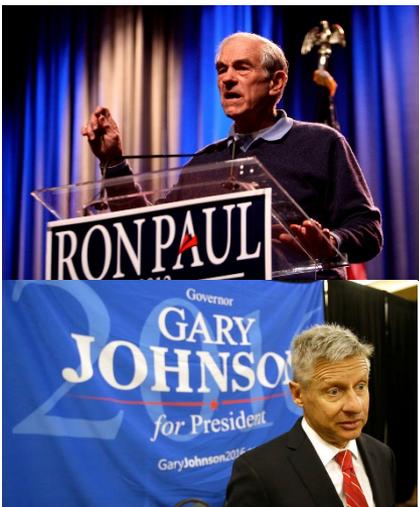
She supported rational and ethical egoism and rejected altruism

The Virtue of Selfishness (New Am Library 1964)

« only individualism guarantees intellectual integrity »



Libertarian presidential nominees



US OG

1988 0,4%

431 000 votes

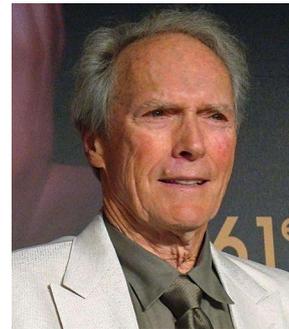
2016 3,27%

4,4 million votes



2020 1,2%

1.9 million votes



Clint Eastwood



Alan Greenspan
Chairman of the
US Federal Reserve

Libertarianism and vaccine:

Give Me Liberty and Give Them Death

Unmasked, unvaccinated



- Total freedom of the individual to dispose of his body
- The state cannot violate it in the name of the collective good represented by compulsory vaccination.

False publications, predatory publishers

Andrew WAKEFIELD

- 1998: suggestion of a vaccin-autism link
- First big antivax fake news after the digital revolution
- 2010 Retraction of the *Lancet* paper
- 2010 Withdrawal of his licence UK General Medical Council
- Drop of vaccine coverage / Serious measles outbreaks
- Still an antivax icon



Early report

Ileal-lymphoid-nodular hyperplasia, non-specific colitis, and pervasive developmental disorder in children

A J Wakefield, S H Murch, A Anthony, J Linnell, D M Casson, M Malik, M Berelowitz, A P Dhillon, M A Thomson, P Harvey, A Valentine, S E Davies, J A Walker-Smith

Summary

Background We investigated a consecutive series of children with chronic enterocolitis and regressive developmental disorder.

Methods 12 children (mean age 6 years [range 3–10], 11 boys) were referred to a paediatric gastroenterology unit with a history of normal development followed by loss of acquired skills, including language, together with diarrhoea and abdominal pain. Children underwent gastroenterological, neurological, and developmental assessment and review of developmental records. Ileocolonoscopy and biopsy sampling, magnetic-resonance imaging (MRI), electroencephalography (EEG), and lumbar puncture were done under sedation. Barium follow-through radiography was done where possible. Biochemical, haematological, and immunological profiles were examined.

Findings Onset of behavioural symptoms was associated by the parents, with measles, mumps, and rubella vaccination in eight of the 12 children, with measles infection in one child, and otitis media in another. All 12 children had intestinal abnormalities ranging from lymphoid nodular hyperplasia to atrophic ulceration. Histology showed patchy chronic inflammation in 11 children and reactive ileal lymphoid hyperplasia in seven, but no granulomas. Behavioural disorders included autism (nine), disintegrative psychosis (one), and possible postviral or vaccinal encephalitis (two). There were no focal neurological abnormalities and CT and EEG tests were normal. Abnormal laboratory results were significantly raised urinary methylmalonic acid compared with age-matched controls ($p=0.03$), low haemoglobin in four children, and a low serum IgA in four children.

Interpretation The identification of associated gastrointestinal disease and developmental regression in a group of previously normal children, which was generally associated in time with possible environmental triggers.

Lancet 1998; **351**: 637–41

See Commentary page

Inflammatory Bowel Disease Study Group, University Departments of Medicine and Histopathology (A J Wakefield FRCS, A Anthony MB, J Linnell PhD, A P Dhillon MRCPATH, S E Davies MRCPATH) and the **University Departments of Paediatric Gastroenterology** (S H Murch MB, D M Casson MRCP, M Malik MRCP, M A Thomson FRCP, J A Walker-Smith FRCP), **Child and Adolescent Psychiatry** (M Berelowitz FRCPsych), **Neurology** (P Harvey FRCP), and **Radiology** (A Valentine FRCP), **Royal Free Hospital and School of Medicine, London NW3 2QG, UK**

Correspondence to: Dr A J Wakefield

Introduction

We saw several children who, after a period of apparent normality, lost acquired skills, including communication. They all had gastrointestinal symptoms, including abdominal pain, diarrhoea, and bloating and, in some cases, food intolerance. We describe the clinical findings, and gastrointestinal features of these children.

Patients and methods

12 children, consecutively referred to the department of paediatric gastroenterology with a history of a pervasive developmental disorder with loss of acquired skills and intestinal symptoms (including abdominal pain, bloating and food intolerance), were investigated. All children were admitted to the ward for one week, accompanied by their parents.

Clinical investigations

We took histories including details of immunisations and exposure to infectious diseases, and assessed the children. In 11 cases the history was obtained by the senior clinician (JW-S). Neurological and psychiatric assessments were done by consultant staff (PH, MB) with HMS-4 criteria.¹ Developmental assessments included a review of prospective developmental records from parents, health visitors, and general practitioners. Four children did not undergo psychiatric assessment in hospital; all had been assessed professionally elsewhere, so these assessments were used as the basis for their behavioural diagnosis.

After bowel preparation, ileocolonoscopy was performed by SHM or MAT under sedation with midazolam and pethidine. Paired frozen and formalin-fixed mucosal biopsy samples were taken from the terminal ileum; ascending, transverse, descending, and sigmoid colons, and from the rectum. The procedure was recorded by video or still images, and were compared with images of the previous seven consecutive paediatric colonoscopies (four normal colonoscopies and three on children with ulcerative colitis), in which the physician reported normal appearances in the terminal ileum. Barium follow-through radiography was possible in some cases.

Also under sedation, cerebral magnetic-resonance imaging (MRI), electroencephalography (EEG) including visual, brain stem auditory, and sensory evoked potentials (where compliance made these possible), and lumbar puncture were done.

Laboratory investigations

Thyroid function, serum long-chain fatty acids, and cerebrospinal-fluid lactate were measured to exclude known causes of childhood neurodegenerative disease. Urinary methylmalonic acid was measured in random urine samples from eight of the 12 children and 14 age-matched and sex-matched normal controls, by a modification of a technique described previously.² Chromatograms were scanned digitally on computer, to analyse the methylmalonic-acid zones from cases and controls. Urinary methylmalonic-acid concentrations in patients and controls were compared by a two-sample *t* test. Urinary creatinine was estimated by routine spectrophotometric assay.

Children were screened for antidiomyseal antibodies and boys were screened for fragile-X if this had not been done

Les fausses info «fake news»

2018

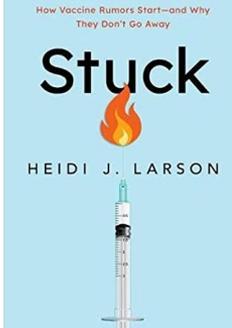




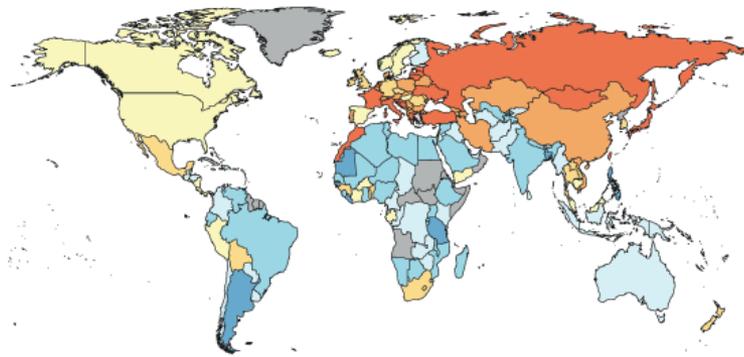
The biggest pandemic risk? Viral misinformation

A century after the world's worst flu epidemic, rapid spread of misinformation is undermining trust in vaccines crucial to public health, warns Heidi Larson.

18 OCTOBER 2018 | VOL 562 | NATURE | 309



A Vaccines are safe

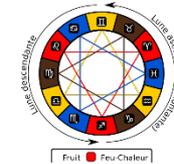


What history tells us

Resistance to vaccination is as old as the vaccine himself



Anti-vax activists reject political system, not just vaccine



Vaccine hesitancy is associated with public distrust of health and political authorities.

**TEN THREATS TO
GLOBAL HEALTH IN 2019**



**BY WORLD HEALTH
ORGANIZATION**

WHO declared vaccine reluctance to be one of the top ten threats to global health.

The greatest enemy of knowledge is not ignorance,
it is the illusion of knowledge .

Stephen Hawking



Thank you for your attention

